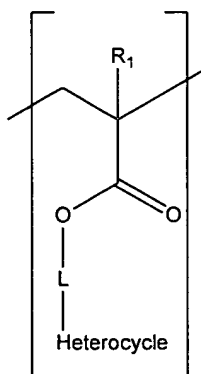


AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

1. (Currently Amended) A fuel composition comprising
- (i) a fuel; and
 - (ii) a polymeric compound;
- wherein the polymeric compound comprises at least one monomer unit of Formula I

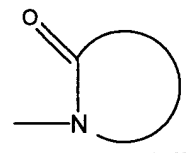


Formula I

wherein R_1 is H or a C_{1-10} hydrocarbyl group;

wherein L is an optional C_{1-30} hydrocarbyl linker group; and

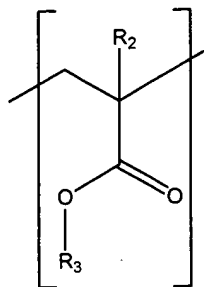
wherein heterocycle is an optionally substituted heterocyclic ring, wherein the heterocyclic ring is of Formula IV



Formula IV

which contains no heteroatoms other than nitrogen and oxygen shown.

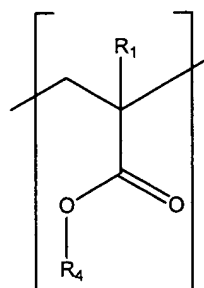
2. (Original) A fuel composition according to claim 1 wherein the polymeric compound further comprises at least one monomer unit of Formula II



Formula II

wherein R_2 is H or a C_{1-10} hydrocarbyl group; and
 wherein R_3 is a C_{1-30} hydrocarbyl group.

3. (Previously Presented) A fuel composition according to claim 1 wherein the polymeric compound further comprises at least one monomer unit of Formula III



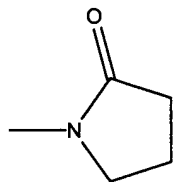
Formula III

wherein R_1 is H or a C_{1-10} hydrocarbyl group; and
 wherein R_4 is a C_{2-10} unsaturated hydrocarbyl group.

4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Previously Presented) A fuel composition according to claim 1 wherein the heterocyclic ring is a 4 to 10 membered ring.
10. (Previously Presented) A fuel composition according to claim 1 wherein the heterocyclic ring

is a 4, 5 or 6 membered ring.

11. (Previously Presented) A fuel composition according to claim 1 wherein the heterocyclic ring is of Formula V



Formula V

12. (Previously Presented) A fuel composition according to claim 1 wherein L is a C₁₋₂₀ hydrocarbyl linker group.
13. (Previously Presented) A fuel composition according to claim 1 wherein L is a C₁₋₁₀ hydrocarbyl linker group.
14. (Previously Presented) A fuel composition according to claim 1 wherein L is a C₄₋₁₀ hydrocarbyl linker group.
15. (Previously Presented) A fuel composition according to claim 1 wherein L is a hydrocarbon linker group.
16. (Previously Presented) A fuel composition according to claim 1 wherein L is a straight chained or branched hydrocarbon linker group having the formula (C_xH_{2x})-wherein x is an integer.
17. (Previously Presented) A fuel composition according to claim 1 wherein L is (CH₂)₄.
18. (Previously Presented) A fuel composition according to claim 1 wherein R₁ is H or a C₁₋₅ hydrocarbyl group.
19. (Previously Presented) A fuel composition according to claim 1 wherein R₁ is H or a hydrocarbon group.
20. (Previously Presented) A fuel composition according to claim 1 wherein R₁ is H or an alkyl group.

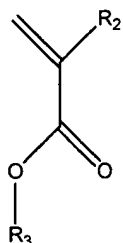
21. (Previously Presented) A fuel composition according to claim 1 wherein R_1 is H or methyl.
22. (Previously Presented) A fuel composition according to claim 2 wherein R_2 is H or a C_{1-5} hydrocarbyl group.
23. (Previously Presented) A fuel composition according to claim 2 wherein R_2 is H or a hydrocarbon group.
24. (Previously Presented) A fuel composition according to claim 2 wherein R_2 is H or an alkyl group.
25. (Previously Presented) A fuel composition according to claims 2 wherein R_2 is H or methyl.
26. (Previously Presented) A fuel composition according to claim 2 wherein R_3 is a C_{1-25} hydrocarbyl group.
27. (Previously Presented) A fuel composition according to claim 2 wherein R_3 is a C_{5-25} hydrocarbyl group.
28. (Previously Presented) A fuel composition according to claim 2 wherein R_3 is a hydrocarbon group.
29. (Previously Presented) A fuel composition according to claim 3 wherein R_4 is a C_{2-5} unsaturated hydrocarbyl group.
30. (Previously Presented) A fuel composition according to claim 3 wherein R_4 is an unsaturated hydrocarbon group.
31. (Previously Presented) A fuel composition according to claim 3 wherein R_4 comprises a terminal carbon-carbon multiple bond.
32. (Previously Presented) A fuel composition according to claim 3 wherein R_4 is an ethenyl group.

33. (Previously Presented) A fuel composition according to claim 1 wherein monomer units of Formula I and/or monomer units of Formula II and/or monomer units of Formula III comprise at least 70% by weight of the polymeric compound.

34. (Previously Presented) A fuel composition according to claim 1 wherein the molecular weight (M_n) of the polymeric compound is from 20,000 to 90,000.

35. (Canceled)

36. (Currently Amended) ~~The method A fuel composition~~ according to claim ~~59~~ 35 wherein, in step (i), monomer A is ~~copolymerised~~ copolymerized with monomer B



Monomer B

~~wherein R_2 and R_3 wherein R_2 is H or a C_{1-10} hydrocarbyl group; and wherein R_3 is a C_{1-30} hydrocarbyl group are as defined in any one of claims 2 to 35.~~

37. (Currently Amended) ~~The method A fuel composition~~ according to claim ~~59~~ 35 wherein R_5 is a C_{2-5} unsaturated hydrocarbyl group.

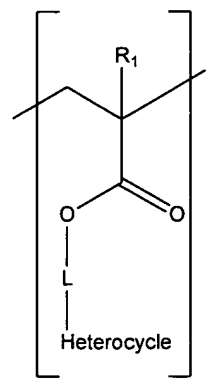
38. (Currently Amended) ~~The method A fuel composition~~ according to claim ~~59~~ 35 wherein R_5 is an unsaturated hydrocarbon group.

39. (Currently Amended) ~~The method A fuel composition~~ according to ~~59~~ 35 wherein R_5 comprises a terminal carbon-carbon multiple bond.

40. (Currently Amended) ~~The method A fuel composition~~ according to ~~59~~ 35 wherein R_5 is an ethenyl group.

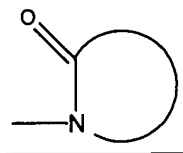
41. (Canceled)

42. (Canceled)
43. (Canceled)
44. (Canceled)
45. (Currently Amended) ~~The method~~ A fuel composition according to claim ~~59~~ 35 wherein the heterocyclic ring of compound C is a 4 to 10 membered ring.
46. (Currently Amended) ~~The method~~ A fuel composition according to claim ~~59~~ 35 wherein the heterocyclic ring of compound C is a 4, 5 or 6 membered ring.
47. (Currently Amended) ~~The method~~ A fuel composition according to claim ~~59~~ 35 wherein compound C is N-vinylpyrrolidone.
48. (Currently Amended) A fuel additive composition comprising
 (i) ~~a polymeric compound as defined in any one of claims 1 to 47; and~~
 (ii) ~~a metal deactivator and/or an antioxidant~~
(i) a polymeric compound;
wherein the polymeric compound comprises at least one monomer unit of Formula I



Formula I

wherein R₁ is H or a C₁₋₁₀ hydrocarbyl group;
wherein L is an optional C₁₋₃₀ hydrocarbyl linker group; and
wherein heterocycle is an optionally substituted heterocyclic ring, wherein the heterocyclic ring is of
Formula IV



Formula IV

which contains no heteroatoms other than nitrogen and oxygen shown, and

(ii) at least one from the group of a metal deactivator, an antioxidant, and combinations thereof.

49. (Currently Amended) A fuel additive composition according to claim 48 comprising the a metal deactivator and the an antioxidant.

50. (Currently Amended) A fuel composition comprising

(i) a fuel; and

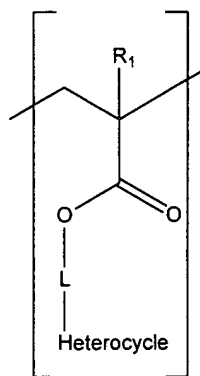
(ii) the a fuel additive composition as defined in claim 48 ~~or~~ 49.

51. (Previously Presented) A fuel composition according to claim 1 wherein the fuel is a jet fuel.

52. (Previously Presented) A fuel composition according to claim 1 wherein the polymeric compound is present in an amount of 15 to 30mg/L.

53. (Canceled)

54. (Currently Amended) A method for inhibiting deposit formation in a fuel at a temperature of from 100 to 335°C, the method comprising combining with the fuel a polymeric compound comprising at least one monomer unit of Formula I

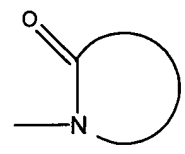


Formula I

wherein R₁ is H or a C₁₋₁₀ hydrocarbyl group;

wherein L is an optional C₁₋₃₀ hydrocarbyl linker group; and

wherein heterocycle is an optionally substituted heterocyclic ring, wherein the heterocyclic ring is of Formula IV



Formula IV

which contains no heteroatoms other than nitrogen and oxygen shown;
~~or a fuel additive composition as defined in claim 49.~~

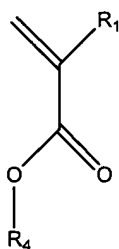
55 (Canceled)

56. (Canceled)

57. (Canceled)

58. (Canceled)

59. (New) A method making a fuel composition comprising;
 (i) polymerizing monomer A



Monomer A

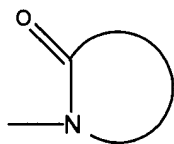
wherein R_1 is H or a C_{1-10} hydrocarbyl group and R_4 is a C_{2-10} unsaturated hydrocarbyl group;
 and

(ii) reacting the product of step (i) with compound C

R_5 —Heterocycle

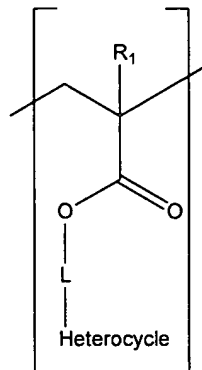
Compound C

wherein R_5 is a C_{2-10} unsaturated hydrocarbyl group; and
 wherein heterocycle is an optionally substituted heterocyclic ring, wherein the heterocyclic ring is of Formula IV



Formula IV

which contains no heteroatoms other than nitrogen and oxygen shown to thereby form a polymeric compound comprising a unit of Formula I



Formula I

wherein L is an optional C₁₋₃₀ hydrocarbyl linker group; and
(ii) combining the polymeric compound with a fuel.